

1. A system comprising:

a composite tube including an internal liner and an external coaxial composite layer of fibers embedded in a matrix, and

a buoyancy control material for controlling the buoyancy of the composite tube, one or more portions of the buoyancy control material being attached to one or more portions of the composite tube to adjust the buoyancy of the one or more portions of the tube.

2. The system of claim 1, wherein the one or more portions of buoyancy control material are positioned at one or more of: one or more internal locations with respect to the external composite layer of fibers and one or more external locations with respect to the external composite layer of fibers.

3. The system of claim 2, wherein the one or more portions of buoyancy control material form a buoyancy control tube having a longitudinal axis spaced apart from a longitudinal axis of the composite tube.

4. The system of claim 3, further comprising:

one or more mechanical fasteners for attaching the buoyancy control tube to the composite tube.

5. The system of claim 3, further comprising:

a jacket for encapsulating the buoyancy control tube and the composite tube.

6. The system of claim 5, further comprising:

one or more energy conductors coupled to the jacket.

7. The system of claim 6, wherein the one or more energy conductors are embedded within the jacket.

8. The system of claim 1, wherein the one or more portions of buoyancy control material form one or more coaxial buoyancy control layers of the composite tube.

9. The system of claim 8, wherein the one or more coaxial buoyancy control layers are positioned at one or more of: one or more external locations with respect to the external composite layer of fibers, one or more locations between the internal liner and the external composite layer of fibers, and one or more internal locations with respect to the internal liner.

10. The system of claim 8, further comprising:
one or more coaxial containment layers containing the one or more coaxial buoyancy control layers.

11. The system of claim 10, wherein one or more of the one or more coaxial containment layers are collapsible and expandable.

12. The system of claim 1, wherein the buoyancy control material includes a buoyancy characteristic that includes one of: a positive buoyancy and a negative buoyancy.

13. The system of claim 1, wherein the buoyancy control material includes one or more of: a foam material, a

thermoplastic material, a thermoset material, a thermoplastic elastomer, a slurry, and a liquid.

14. The system of claim 1, wherein the buoyancy control material includes one or more of:
a curing agent, a hardener, and a gellation agent for causing a setting of the buoyancy control material.

15. The system of claim 1, wherein the composite tube and the buoyancy control material are spoolable on a reel.

16. A system comprising:

a tube,
two or more buoyancy control materials, two or more of the two or more buoyancy control materials having different buoyancy characteristics, and
one or more pumps for displacing the two or more buoyancy control materials in the tube to adjust the buoyancy of the tube to have different buoyancies at two or more locations in the tube.

17. The system of claim 16, wherein the different buoyancy characteristics include a positive buoyancy and a negative buoyancy.

18. The system of claim 16, further comprising:

one or more sensors disposed on the tube for detecting one or more changes in one or more environmental conditions.

19. The system of claim 18, wherein the environmental conditions include one or more of a temperature and a pressure.
20. The system of claim 18, further comprising:
one or more processors configured to communicate with the one or more sensors and the one or more pumps and control the one or more pumps based on data from the one or more sensors.